

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	701500	(cyclohexyl vinyl ether) or (cyclohexylvinylether) or (cyclohexyl vinyl ether) or (cyclohexylvinylether) or (ethylvinylether) or (ethyl vinyl ether) or (ethylvinyl ether) or (ethyl vinylether) or (methylmethacrylate) or (methyl methacrylate) or (methacrylate\$1) or (acrylic) or (methacrylic) or (acrylate\$1) or (butyl acrylate) or (butylacrylate) or (methacrylamide) or (acrolein) or (butyl vinyl ether) or (butyl vinylether) or (butylvinylether) or (butylvinyl ether) or (propionic vinyl ether) or (propionic vinylether) or (propionicvinylether) or (propionicvinyl ether) or (dimethylpropionic vinyl ether) or (dimethyl propionicvinylether) or (dimethylpropionicvinylether)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L2	50341	(polyvinylidene fluoride) or (pvdf) or (poly vinylidenefluoride) or (polyvinylidenefluoride) or (poly vinylidene fluoride) or (vdf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L3	7294	electret	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L4	687	L3 and L1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L5	63901	(tfe) or (tetrafluoroethylene) or (tetrafluoro ethylene) or (tetrafluoroethylene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45

## EAST Search History

L6	11829	(ctfe) or (chlorotrifluoroethylene) or (chlorotrifluoro ethylene) or (chloro trifluoro ethylene) or (chloro trifluoroethylene) or (chlorotrifluoro ethylene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L7	19206	(hexafluoropropylene) or (hfp) or (hexa fluoropropylene) or (hexa fluoro propylene) or (hexa fluoropropylene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L8	72238	L7 or L6 or L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L9	12949	L2 and L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L10	51626	(corona \$3charge) or (corona treatment) or (permanent charge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L11	976	L9 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L12	46	L3 and L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45

## EAST Search History

L13	25046	(porous or microporous) near2 (substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L14	32265	(corona \$3charge) or (corona treatment) or (permanent charge)	US-PGPUB; USPAT	ADJ	ON	2006/10/31 09:45
L15	104	L3 with L1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L16	7333	L1 and L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:52
L17	782	L10 and L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L18	12	L15 and L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L19	38	L3 and L17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L20	46180	((corona \$3charge) or corona or plasma) near2 (treatment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:52

## EAST Search History

L21	10798	L2 same L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L22	1678	coating same L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L23	7	L22 same L20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L24	569	L17 and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L25	25	L17 and L13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L26	1486	(porous or microporous) near2 (substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L27	51	L13 and L22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45

## EAST Search History

L28	1	L27 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L29	156	L24 and (porous or microporous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:45
L30	909	9 and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:50
L31	296	30 and (porous or microporous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:50
L32	706	16 and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:58
L33	234	32 and (porous or microporous or micro porous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:52
L34	2812	2 same 8 same 1	US-PGPUB; USPAT	ADJ	ON	2006/10/31 09:59
L35	3041	2 same 8 same 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 09:59

## EAST Search History

L36	579	coating same 35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:00
L37	0	36 same 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:00
L38	18	36 and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:00
L39	23	"4560737"	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:21
L40	2	(("4560737") or ("20030054716")). PN.	US-PGPUB; USPAT	OR	OFF	2006/10/31 10:22
L41	0	1 and 40	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:22
L42	2343878	respirator filter\$1 or microphone\$1 or headphone\$1 or furnace\$1 or filter\$1 or respirator or ultrasonic transducer\$1 or piezoelectric material\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:28
L43	270	32 and 42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:28
L44	0	elecret coat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:30

## EAST Search History

L45		25	electret coat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 10:30
L46		7742	weather resistant\$3	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:53
L47		7742	weather resistant\$4	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:53
L48		1057074	coat\$3	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:53
L49		1081	47 with 48	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:57
L50		0	49 with 20	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:54
L51		1	49 same 20	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:54
L52		61	49 and 20	US-PGPUB; USPAT	ADJ	ON	2006/10/31 10:57
L53		160	(battery near1 separator) with (coat\$3)	US-PGPUB; USPAT	ADJ	ON	2006/10/31 11:33
L54		10	53 and corona	US-PGPUB; USPAT	ADJ	ON	2006/10/31 11:34
L55		7746	coat\$4 with 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:35
L56		222	55 and (separator or battery separator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:35

## EAST Search History

L57	1481063	(polymethacrylate\$1) or (poly methacrylate) or (poly meth acrylate) or (polymeth acrylate) or (acrylate) or (pvac) or (polyvinyl acetate) or (poly vinyl acetate) or (polyvinylacetate) or (polycarbonate) or (poly carbonate) or (polyurethane) or (urethane)or (polyester) or (polyimide) or (pbt) or (poly butylene terephthalate) or (polybutyleneterephthalate) or (polybutylene terephthalate) or (polybutyleneterephthalate) or (polystyrene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:44
L58	1658	3 and 57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:44
L59	387	3 with 57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:45
L60	32	59 and 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/31 11:45
L61	1	1994-097085.NRAN.	DERWENT	ADJ	ON	2006/10/31 12:16